

PI 542407 to 542415-continued

PI 542415 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas 72701. **cultivar:** R LINE AR2406. **pedigree:** Wiley/F-26. **other id:** PL-231. **group:** CSR-SORGHUM. **remarks:** Height averages 180cm. Flowers approximately 81 days after emergence. Panicle exertion well above flag leaf (13cm), open type. Glumes black. Mesocarp starchy. Grain has brownish-white pericarp, brown testa. Spring Annual. Breeding Material. Seed.

PI 542416 to 542431. *Antirrhinum majus* L. SCROPHULARIACEAE Snapdragon

Donated by: Harte, C., University of Koln, Institut fur Entwicklungsphysiologie, Gyrhofstr. 17, D 5000 Koln 41, Germany, Federal Rep of. Received June 12, 1990.

PI 542416 **donor id:** 88/12. **origin:** Germany, Federal Rep of. **cultivar:** STENOPHYLLA. **remarks:** Seeds originally obtained from the stocks of Erwin Baur -- see book of H. Stubbe. Plants narrow long leaves. Mutants used in experiments. Genetic Material. Seed.

PI 542417 **donor id:** 88/1. **origin:** Germany, Federal Rep of. **cultivar:** SIPPE 50. **remarks:** Standard type in experiments. Isolated by Erwin Baur. Plants 30-60cm tall, self-fertile, but do not self pollinate. Germination light dependent, best results on moist filter paper in petri-dishes, within one week at approx. 20 deg. C. Quantitative long-day plant, flowering at 16 hours daylight. Susceptible to *Antirrhinum*-rust fungus in the field. Isolation of inflorescence by paper bag necessary to prevent. Genetic Material. Seed.

PI 542418 **origin:** Germany, Federal Rep of. **cultivar:** IMMINUTA. **remarks:** Originally obtained from the stocks of Erwin Baur. Plants small leaves narrow. Flowers smaller than standard type. Used in experiments on leaf development. Genetic Material. Seed.

PI 542419 **origin:** Germany, Federal Rep of. **cultivar:** LOREFORMIS. **remarks:** Sees originally obtained from stocks of H. Stubbe. Propagated by artificial self pollination. Plants small. Leaves narrow, some small dwarfs with limited viability depending on environmental conditions. Genetic Material. Seed.

PI 542420 **origin:** Germany, Federal Rep of. **cultivar:** ARRECTA. **remarks:** Seeds originally obtained from stocks of H. Stubbe. (Erwin Baur). Morphology and size of the leaves different from standard type. Mutant used in experiments on leaf development. Genetic Material. Seed.